

Getting Started Guide

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Requirements / Prerequisites

The Dell SonicWALL WXA 500 Live CD requires:

- A Dell SonicWALL E-class NSA, NSA, or TZ series appliance running SonicOS 5.8.1.11 or above firmware.
Note: The WXA 1.2 firmware is also supported to work with older versions of SonicOS 5.8.1 firmware, but the new WXA 1.2 features will not be available.
- An unused interface on the Dell SonicWALL NSA/TZ series appliance configured with a LAN Static IP address and a DHCP lease scope. Please refer to the *WXA Quick Start Guide* for more information.
- A Monitor and Keyboard
- One of the following supported Dell platforms:
 - Dell OptiPlex 3010
 - Dell Inspiron 660s
 - Dell Vostro 270s

Customers with current service/software support contracts can obtain updated versions of Dell SonicWALL firmware from the MySonicWALL customer portal at <https://www.mysonicwall.com>. Updated firmware is also available for free within 90 days of registering the Dell SonicWALL device on MySonicWALL.

Deployment Considerations

- WFS Acceleration and Web Cache are supported in Install Mode only (Not supported in Memory Mode).

Supported Network Cards

- 3Com 3c515 Corkscrew
- 3Com 3c574 series PCMCIA Ethernet
- 3Com 3c589 series PCMCIA Ethernet
- 3Com 3c59x/3c9xx Ethernet
- 3Com Etherlink III (3c509, 3c509B, 3c529, 3c579) Ethernet
- 3Com ISA EtherLink II, II/16 (3c503, 3c503/16)
- 3Com Typhoon Family (3C990, 3CR990, and variants)
- AceNIC/3C985/GA620 Gigabit Ethernet
- Adaptec Starfire Ethernet
- AMD8111 based 10/100 Ethernet Controller.

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- AMD PCnet32 or PCnetPCI Ethernet based network Ethernet card
- Ansel AC3200 EISA Ethernet
- ASIX AX8817X based USB 2.0 Ethernet Devices
- Asix AX88190 PCMCIA Ethernet
- AT1700/1720 Ethernet
- Atheros 1000M Ethernet Network
- Atheros L1 Gigabit Ethernet
- Atheros L2 Fast Ethernet Network
- Broadcom 44xx/47xx 10/100 PCI Ethernet
- Broadcom NetXtreme II BCM57710/57711/57711E
- Broadcom Tigon3 Ethernet
- Cabletron E2100 ISA Ethernet
- CATC EL1210A NetMate USB Ethernet
- Chelsio 10Gb Ethernet
- Cisco 10G Ethernet
- CS89x0 chipset based Ethernet cards.
- Dave DNET Ethernet
- Davicom DM910X fast Ethernet
- Davicom DM9601 USB 1.1 Ethernet devices
- DEPCA DE10x, DE200, DE201, DE202, DE422
- Digital 21*4* Tulip Ethernet
- D-Link DL2000-based Gigabit Ethernet Adapter
- EtherEXpress16 network Ethernet card.
- EtherEXpressPro 10 (i82595)
- EtherWORKS DE203, DE204, DE205 network Ethernet cards.
- GL620-USB-A Host-to-Host Link cables
- HP CASCADE 100VG-AnyLan Network Adapters
- HP PC-LAN ISA Ethernet
- HP PC-LAN+ ISA Ethernet
- ICL EtherTeam 16i/32
- IC Plus IP1000 Gigabit Ethernet Adapter Linux
- Intel/Digital 21040/1 series PCI Ethernet
- Intel i82595 ISA EtherExpressPro10/10+
- Intel Panther onboard i82596
- Intel(R) 10 Gigabit PCI Express Network
- Intel(R) 82576 Virtual Function Network
- Intel(R) Gigabit Ethernet Network
- Intel(R) PRO/1000 Network
- Intel(R) PRO/1000 Network
- Intel(R) PRO/100 Network
- Intel(R) PRO/10GbE Network
- ISA Western Digital wd8003/wd8013 ; SMC Elite, Elite16 Ethernet
- JMicron JMC2x0 PCI Express Ethernet
- KL5USB101 USB Ethernet
- KS8851 MLL Network
- Marvell Yukon 2 Gigabit Ethernet
- Mellanox ConnectX HCA Ethernet
- Myricom 10G (10GbE)
- Myson MTD-8xx 100/10M Ethernet PCI Adapter
- National Semiconductor DP8381x series PCI Ethernet
- National Semiconductor DP83820 10/100/1000



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- NE1000/NE2000 ISA/PnP Ethernet
- NE2000 compatible PCMCIA Ethernet
- NetChip 1080 based USB Host-to-Host Links
- Neterion's X3100 Series 10GbE PCIe I/O Virtualized Server Adapter
- NetXen Multi port (1/10) Gigabit Network
- New Media PCMCIA Ethernet
- nForce Ethernet
- NIU Ethernet
- OpenCores Ethernet MAC
- Packet Engines 'Hamachi' GNIC-II Gigabit Ethernet
- Packet Engines Yellowfin G-NIC Gigabit Ethernet
- PCI NE2000 clone
- Pegasus/Pegasus II USB Ethernet
- QLogic 10 Gigabit PCI-E Ethernet
- QLogic ISP3XXX Network v2.03.00-k5
- RDC R6040 NAPI PCI FastEthernet
- RealTek RTL8002/8012 parallel port Ethernet
- RealTek RTL-8139C+ series 10/100 PCI Ethernet
- RealTek RTL-8139 Fast Ethernet
- RealTek RTL-8169 Gigabit Ethernet
- rtl8150 based usb-Ethernet
- SEEQ 8804 network Ethernet card.
- ServerEngines BladeEngine2 10Gbps NIC 2.101.205
- Sharp Zaurus PDA, and compatible products
- Silan SC92031 PCI Fast Ethernet Adapter
- Simple 'CDC Subset' USB networking links
- SiS 900 PCI Fast Ethernet
- SiS sis190/191 Gigabit Ethernet
- SMC 83c170 EPIC series Ethernet
- SMC 91c92 series PCMCIA Ethernet
- SMC Ultra/EtherEZ ISA/PnP Ethernet
- SMSC95XX USB 2.0 Ethernet Devices
- SMSC LAN9420 PCI Ethernet.
- Solarflare Communications network
- Sun Cassini(+) Ethernet
- Sundance Alta Ethernet
- Sun GEM Gbit Ethernet
- Sun HappyMealEthernet(HME) 10/100baseT Ethernet
- Support for the ancient 3Com 3c501 Ethernet card
- SysKonnect Gigabit Ethernet
- Tehuti Networks(R) Network
- Timberdale KS8842 Ethernet
- TI ThunderLAN based Ethernet PCI adapters
- ULi M5261/M5263 fast Ethernet
- USB CDC Ethernet devices
- USB to network adapter MCS7830
- VIA Networking Velocity Family Gigabit Ethernet Adapter
- VIA Rhine PCI Fast Ethernet
- Winbond W89c840 Ethernet
- Xircom Cardbus Ethernet
- Xircom PCMCIA Ethernet



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Activating your WXA 500 LiveCD

You must activate your Dell SonicWALL WXA 500 LiveCD before first use. Activation is performed using the NSA/TZ series appliance management interface. When activation is complete, the Dell SonicWALL WXA 500 Live CD will be ready to use.

Creating a MySonicWALL Account

A MySonicWALL account is required for product registration. If you already have an account, continue to the *Activating the WXA 500 License* section.

Perform the following steps to create a MySonicWALL account:

1. In your web browser, navigate to <https://www.mysonicwall.com>.



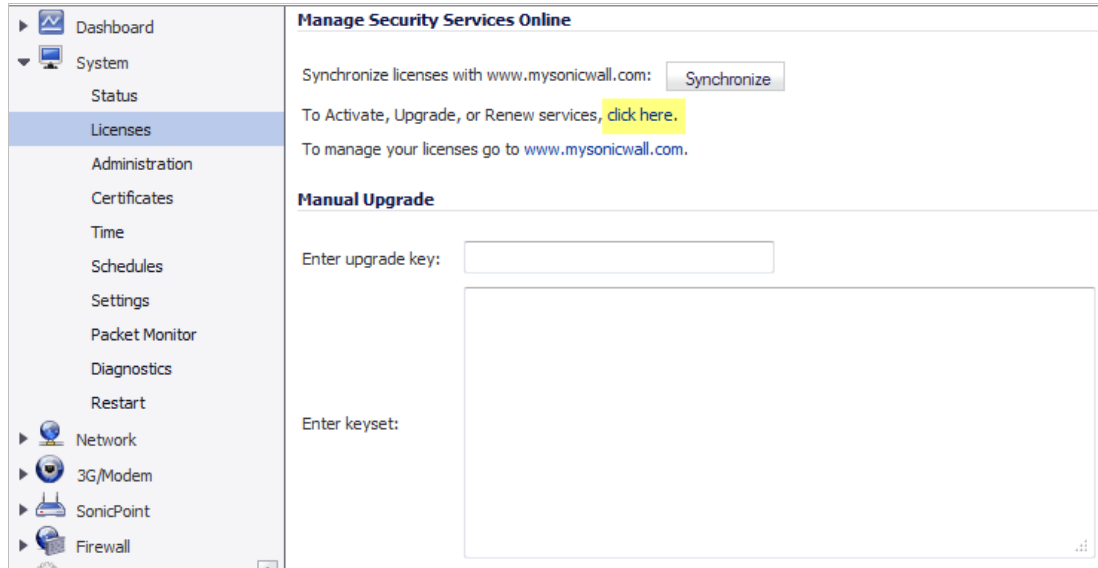
2. In the login screen, click the **Not a registered user? Register Now** link.
3. Complete the registration form, then click the **Register** button.
4. Verify the information you entered is correct, then click the **Submit** button.
5. In the confirmation screen, click the **Continue** button.

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Activating the WXA 500 License

To activate your WXA 500 LiveCD license, perform the following steps:

1. Log in to your NSA/TZ series appliance.
2. Navigate to the **System > License** page.



Dashboard

System

- Status
- Licenses**
- Administration
- Certificates
- Time
- Schedules
- Settings
- Packet Monitor
- Diagnostics
- Restart

Network

- 3G/Modem
- SonicPoint
- Firewall

Manage Security Services Online

Synchronize licenses with www.mysonicwall.com:

To Activate, Upgrade, or Renew services, [click here.](#)

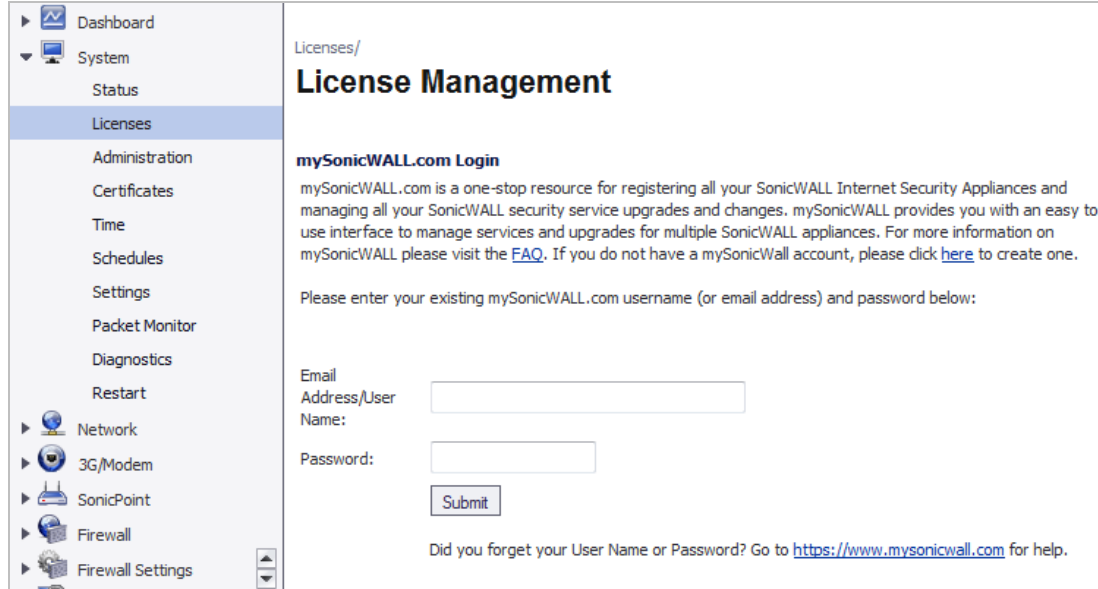
To manage your licenses go to www.mysonicwall.com.

Manual Upgrade

Enter upgrade key:

Enter keyset:

3. Click the **click here** link to activate, upgrade, or renew services.
The License Management page displays:



Dashboard

System

- Status
- Licenses**
- Administration
- Certificates
- Time
- Schedules
- Settings
- Packet Monitor
- Diagnostics
- Restart

Network

- 3G/Modem
- SonicPoint
- Firewall
- Firewall Settings

Licenses/

License Management

mySonicWALL.com Login

mySonicWALL.com is a one-stop resource for registering all your SonicWALL Internet Security Appliances and managing all your SonicWALL security service upgrades and changes. mySonicWALL provides you with an easy to use interface to manage services and upgrades for multiple SonicWALL appliances. For more information on mySonicWALL please visit the [FAQ](#). If you do not have a mySonicWall account, please click [here](#) to create one.

Please enter your existing mySonicWALL.com username (or email address) and password below:

Email Address/User Name:

Password:

Did you forget your User Name or Password? Go to <https://www.mysonicwall.com> for help.

4. Enter your MySonicWALL account Email Address or Username and Password in the appropriate fields, then click the **Submit** button.

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The Manage Services Online list displays:

Licenses/

License Management

Manage Services Online

Security Service	Status	Manage Service
Nodes/Users	Licensed	
App Control	Not Licensed	
Kaspersky: Enforced Client Anti-Virus and Anti-Spyware	Not Licensed	Activate
McAfee: Client/Server Anti-Virus Suite		Upgrade Renew
McAfee: Enforced Client Anti-Virus and Anti-Spyware	Expired	Upgrade Renew Share
App Visualization	Expired	
Gateway Anti-Virus, Anti-Spyware & Intrusion Prevention Service	Expired	Renew
SonicWALL Deep Packet Inspection for SSL (DPI-SSL)	Not Licensed	Try Activate
Virtual Assist	Licensed	Upgrade
VPN	Licensed	
Global VPN Client	Licensed	Upgrade
Global VPN Client Enterprise	Not Licensed	Activate
VPN SA	Licensed	Upgrade
SSL VPN	Licensed	Upgrade
WAN Acceleration Software	Not Licensed	Activate

5. In the WAN Acceleration Software row, click the **Activate** link.
The License Management page displays:

Licenses/

License Management

WAN Acceleration Software Subscription

WAN Acceleration Software Activation Key:

Please enter WAN Acceleration Software license key.

6. Enter the Activation Key in the text-field, then click the **Submit** button.
You have successfully activated your WXA 500 LiveCD.
7. Before accessing the WAN Acceleration page, navigate to the **System > Licenses** page and click the **Synchronize** button. This synchronizes the licenses between the License Manager and NSA/TZ appliance.

► Dashboard

▼ System

- Status
- Licenses**
- Administration
- Certificates

Manage Security Services Online

Synchronize licenses with www.mysonicwall.com:

To Activate, Upgrade, or Renew services, [click here](#).

To manage your licenses go to www.mysonicwall.com.

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Setting up the WXA 500 LiveCD

To set up the WXA 500 LiveCD, perform the following steps:

1. Download the ISO from mysonicwall.com.
2. Burn the ISO to a CD/DVD.
3. Connect your PC to an unused interface on the NSA/TZ series appliance.
4. Power on your PC.
5. Change the BIOS settings so that the CD-ROM is the first boot device.
6. Save and Exit BIOS.
7. Insert the LiveCD into the CD-ROM bay on your PC.

The “How do you wish to use the product?” prompt displays:



Refer to the “Using the WXA 500 LiveCD” section in this document and follow the configuration procedures for Memory Mode (Live) or Install Mode.

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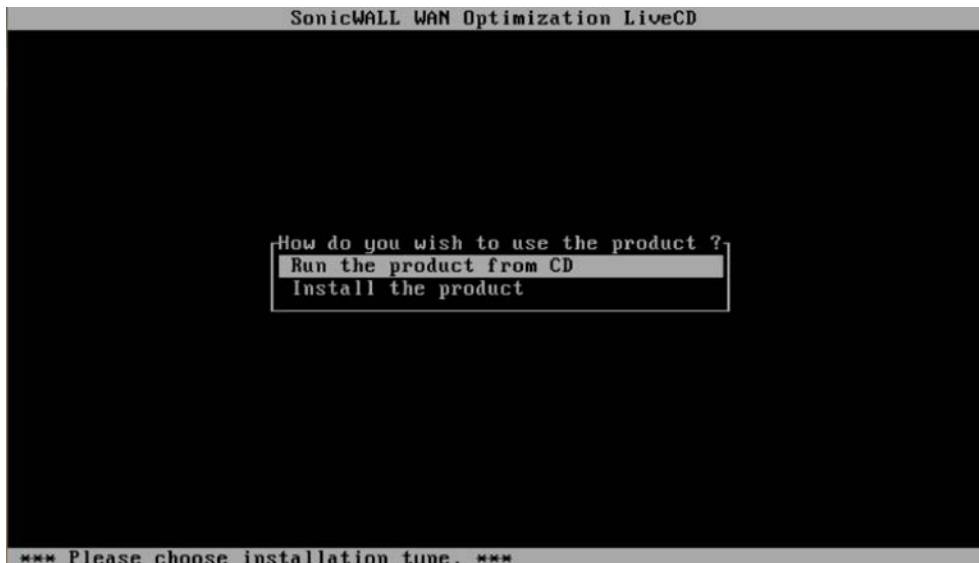
Using the WXA 500 LiveCD

The WXA 500 LiveCD can be run from the CD in Memory Mode or can be installed onto your PC in Install Mode. This section details the configuration steps for the Memory and Install Modes.

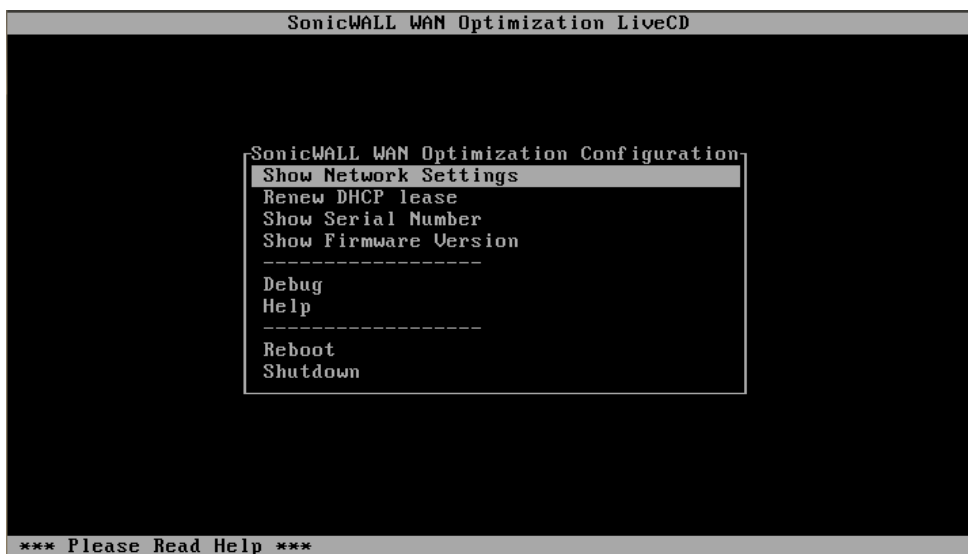
Memory Mode (Live)

Memory Mode runs the WXA 500 firmware entirely from the CD and does not make any changes to your PC. To configure Memory Mode on your PC, perform the following steps:

1. Select the **Run the product from CD** option, press the Enter key.



The "SonicWALL WAN Optimization Configuration" prompt displays:



2. Select the **Show Network Settings** option, press the Enter button.

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The "Show Network Settings" prompt displays:

```
SonicWALL WAN Optimization LiveCD

SonicWALL WAN Optimization Configuration
Show Network Settings
Renew DHCP lease
Show Show Network Settings
Show IP Address : 10.0.2.15
---- Netmask : 255.255.255.0
Debu Gateway : 10.0.2.2
Help DNS: 10.0.2.3
----
Reboot
Shutdown

Press Esc to close window.
```

If your NSA/TZ series appliance is configured correctly you should see a DHCP assigned IP address. If not, navigate to the **Network > DHCP Server** page and check the DHCP server.

The WXA 500 LiveCD is now operational in Memory Mode.

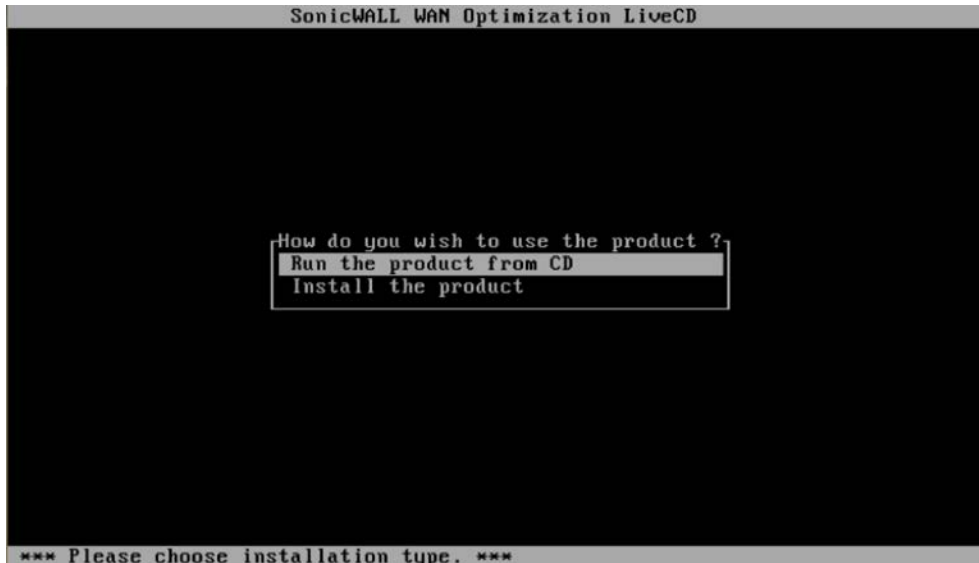
3. Navigate to the **WAN Acceleration** tab on your NSA/TZ series appliance to configure the WAN Acceleration service.

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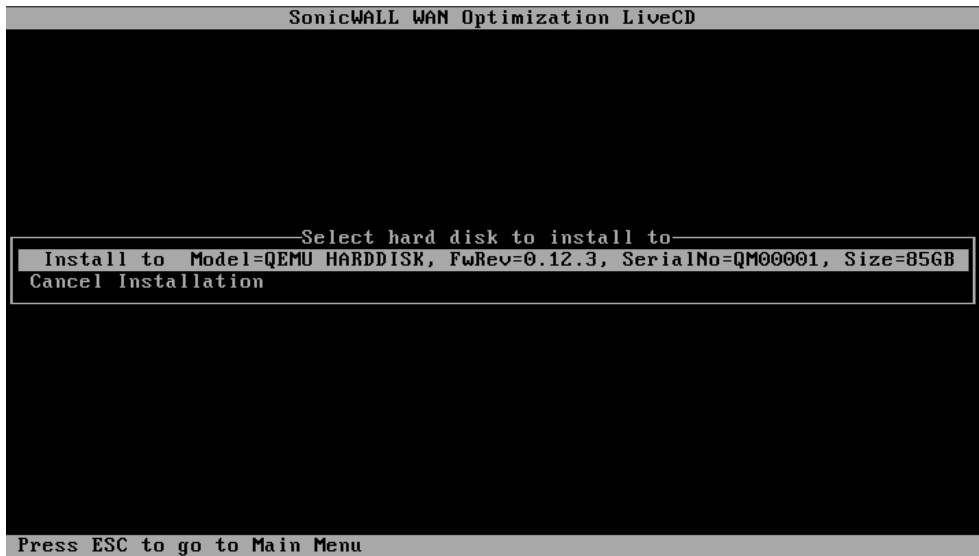
Install Mode

The Install Mode installs the WXA 500 LiveCD firmware onto your PC. To configure Install Mode on your PC, perform the following steps:

1. Select the **Install the Product** option.
2. Press the Enter key.



The "Select Hard Disk to install to" prompt displays:



3. Select a hard disk for install, and then press the Enter key.

Note: If your PC has multiple hard disks, please make sure to boot from the hard disk that you selected above.

The WXA 500 firmware is now installed on your PC.

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The “CD Eject” prompt displays:

```
NOTICE: Hit Enter to eject CDRom.  
Hit Enter when ready: 
```

4. Press the Enter key to eject the WXA 500 LiveCD from the CD-ROM drive. The “Reboot PC” prompt displays:

```
NOTICE: Hit Enter to eject CDRom.  
Hit Enter when ready:  
Ejecting CDRom  
  
WARNING: Please remove the CD/DVD from the CDRom bay and Hit Enter again to reboot the  
system. If CD is still present after you reboot the appliance, you will be taken  
back to the initial menu.  
  
Hit Enter when ready: 
```

5. Press the Enter key to reboot your PC into the WXA 500 Install Mode.
6. Follow steps 2-3 in the Memory Mode section of this document to complete the installation.

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Glossary of Terms

- **LAN** – Local Area Network
- **DHCP** – Dynamic Host Configuration Protocol
- **ROM** – Read-Only Memory
- **RAM** – Random-Access memory
- **GB** – Gigabyte
- **SATA** – Serial Advanced Technology Attachment
- **IDE** – Integrated Development Environment
- **ISO** – International Standards Organization
- **BIOS** – Basic Input / Output System

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